

Master 5.15

Step-by-Step 7

Lesson 5.7, Question 13

Step 1 Write equivalent ratios for 7:5 until the second term is 30.

There are 30 non-fiction books in Ms. Arbuckle's class library.

How many fiction books are there? _____

Step 2 Write equivalent ratios for 4:3 until the second term is 30.

There are 30 non-fiction books in Mr. Albright's class library.

How many fiction books are there? _____

Step 3 Use your answers to *Steps 1* and *2*.

Which room has more fiction books? _____

How many more fiction books does this room have? _____

Step 4 How many books are in Ms. Arbuckle's class?

_____ fiction books + _____ non-fiction books = _____ books

Write the number of non-fiction books as a fraction of the total number of books:

Write this fraction as a percent. _____

What percent of the books in Ms. Arbuckle's class is non-fiction? _____

Step 5 How many books are in Mr. Albright's class?

_____ fiction books + _____ non-fiction books = _____ books

Write the number of non-fiction books as a fraction of the total number of books:

Write this fraction as a percent. _____

What percent of the books in Mr. Albright's class is non-fiction? _____